AUTODOC CLUB

How to change front lower arm on **Renault Clio 3** – replacement guide

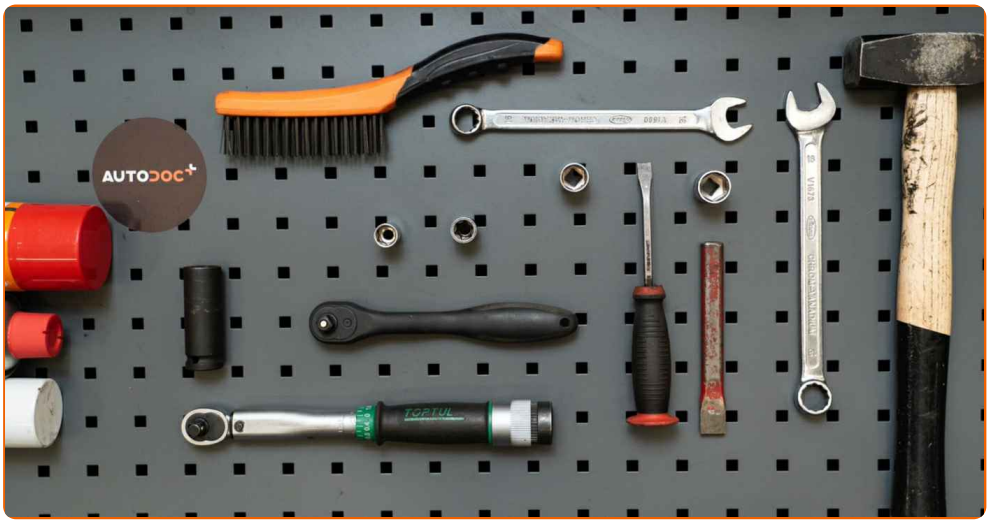
VIDEO TUTORIAL

Important!

This replacement procedure can be used for:
RENAULT Modus / Grand Modus (F, JP) 1.5 dCi 90, RENAULT Clio III Hatchback (BR0/1, CR0/1) 1.2 16V, RENAULT Clio III Grandtour 1.2 16V, RENAULT Modus / Grand Modus (F, JP) 1.2, RENAULT Modus / Grand Modus (F, JP) 1.6, RENAULT Modus / Grand Modus (F, JP) 1.5 dCi, RENAULT Modus / Grand Modus (F, JP) 1.4, RENAULT Clio III Hatchback (BR0/1, CR0/1) 1.6 16V, RENAULT Clio III Hatchback (BR0/1, CR0/1) 1.4 16V, RENAULT Clio III Hatchback (BR0/1, CR0/1) 1.5 dCi, RENAULT Clio III Hatchback (BR0/1, CR0/1) 2.0 16V Sport (CR0N, CR1P), RENAULT Clio III Hatchback (BR0/1, CR0/1) 2.0 16V, RENAULT Modus / Grand Modus (F, JP) 1.2 16V, RENAULT Clio III Grandtour 1.6 16V, RENAULT Clio III Grandtour 1.5 dCi, (+ 6)

The steps may slightly vary depending on the car design.

REPLACEMENT: FRONT LOWER ARM – RENAULT CLIO
3. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #16
- Combination spanner #18
- Drive socket # 13
- Drive socket # 16
- Drive socket # E16
- Drive socket # 18
- Wheel impact socket #17
- Ratchet wrench
- Tap wrench
- Hammer
- Flat chisel
- Crow bar
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

Replacement: front lower arm – Renault Clio 3. AUTODOC recommends:

- The replacement procedure is identical for the left and right lower control arms.
- All work should be done with the engine stopped.

REPLACEMENT: FRONT LOWER ARM – RENAULT CLIO 3. RECOMMENDED SEQUENCE OF STEPS:

1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #17.

3 Raise the front of the car and secure on supports.

4 Unscrew the wheel bolts.

AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. Renault Clio 3

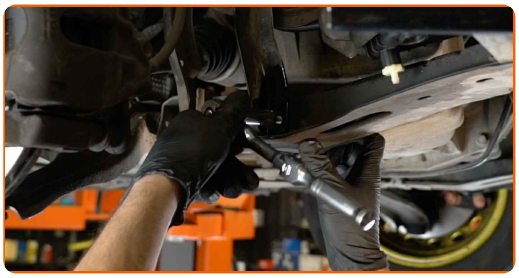
5 Remove the wheel.

6 Clean all joints of the arm. Use a wire brush. Use WD-40 spray.

Replacement: front lower arm – Renault Clio 3. Tip:

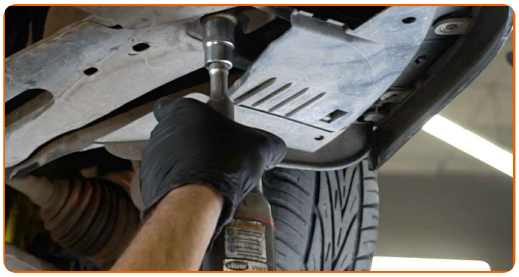
- After applying the spray, wait a few minutes.
- Wear protective goggles.

7 Unscrew the subframe reinforcement bracket fasteners. Use a drive socket #13. Use a ratchet wrench.



8 Support the subframe. Use a hydraulic transmission jack.

9 Unscrew the subframe fastening. Use a drive socket #18. Use a ratchet wrench.



10 Detach the front subframe crossmember.

11 Remove the support from under the subframe.

AUTODOC recommends:

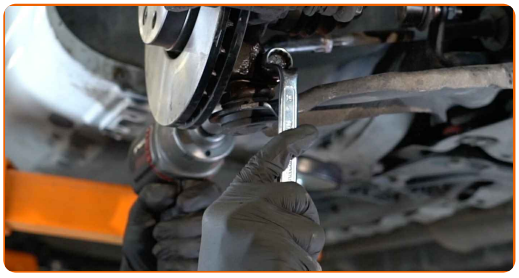
- Replacement: front lower arm – Renault Clio 3. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

12 Clean all joints of the arm. Use a wire brush. Use WD-40 spray.

Replacement: front lower arm – Renault Clio 3. Tip from AUTODOC experts:

- After applying the spray, wait a few minutes.
- Wear protective goggles.

13 Unscrew the ball joint fastening to the steering knuckle. Use a combination spanner #16. Use a drive socket #16. Use a tap wrench.



14 Remove the fastening bolt.

15 Unscrew the rear fastener connecting the control arm to the subframe. Use a combination spanner #18. Use a drive socket #18. Use a tap wrench.

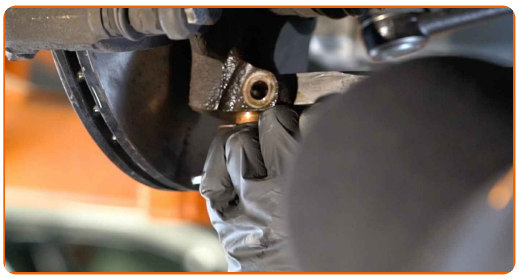
16 Remove the rear fastener of the control arm.

17 Unscrew the front arm fastener. Use a combination spanner #18. Use a drive socket #E16. Use a tap wrench.

18 Remove the front fastener of the control arm. Use a crowbar.

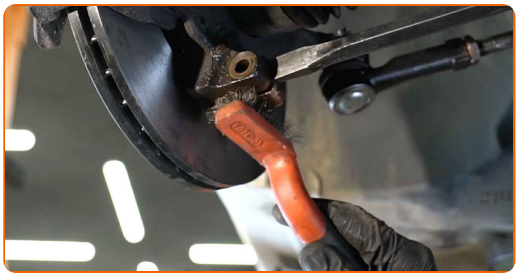
19 Release the fastener connecting the ball joint to the steering knuckle. Use a flat metal-working chisel. Use a hammer.

20 Disconnect the ball joint from the steering knuckle.

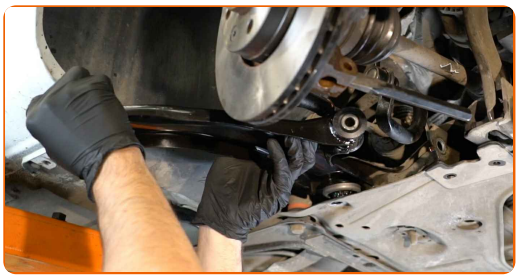


21 Remove the arm.

22 Clean the mounting seats and the thread of the suspension arm. Use a wire brush. Use WD-40 spray.



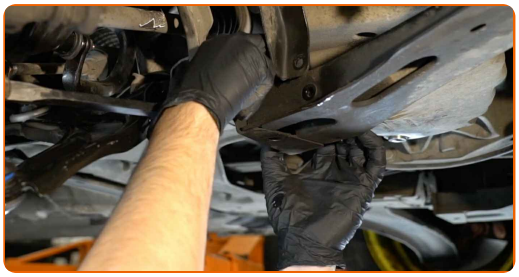
23 Install a new arm.



Replacement: front lower arm – Renault Clio 3. AUTODOC experts recommend:

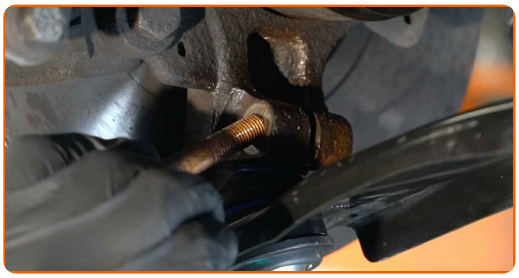
- During the installation process, use only new bolts and nuts.
- Do not damage the ball joint cover.

24 Install the front fastener of the arm.

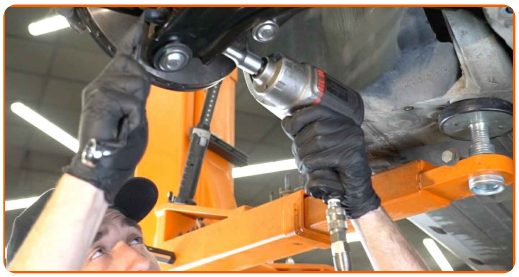


25 Connect the ball joint to the steering knuckle.

26 Install the fastening bolt.



27 Screw the fasteners of the ball joint. Use a combination spanner #16. Use a drive socket #16. Use a ratchet wrench.



28 Install the rear fastener of the control arm.

29 Screw the rear arm fastener. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.

30 Screw the front arm fastener. Use a drive socket #18. Use a ratchet wrench.

31 Support the subframe. Use a hydraulic transmission jack.

32 Attach the front subframe crossmember.

33 Screw in the subframe fasteners. Use a drive socket #18. Use a ratchet wrench.

34 Remove the support from under the subframe.

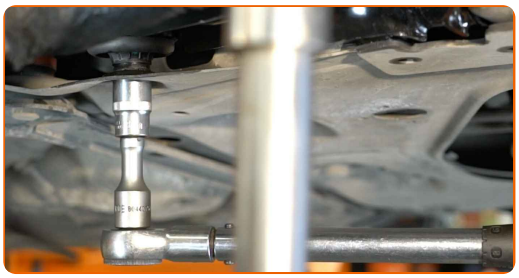
AUTODOC recommends:

- Renault Clio 3 – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

35 Support the arm. Use a hydraulic transmission jack.

36 Tighten the front fastener connecting the control arm to the subframe. Use a combination spanner #18. Use a drive socket #E16. Use a torque wrench. Tighten it to 70 Nm torque.

37 Tighten the rear fastener connecting the arm to the body subframe. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 105 Nm torque.



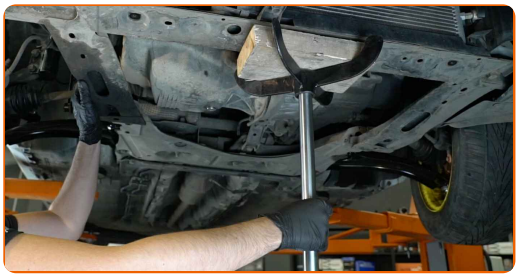
38 Tighten the ball joint fastener. Use a combination spanner #16. Use a drive socket #16. Use a torque wrench. Tighten it to 60 Nm torque.

39 Remove the support from under the arm.

Replacement: front lower arm – Renault Clio 3. AUTODOC experts recommend:

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

40 Support the subframe. Use a hydraulic transmission jack.

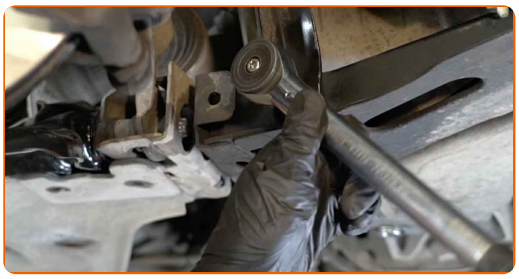


41 Unscrew the subframe fastening. Use a drive socket #18. Use a ratchet wrench.

42 Screw in the subframe reinforcement bracket fasteners. Use a drive socket #13. Use a ratchet wrench.

43 Tighten the subframe fastening. Use a drive socket #18. Use a torque wrench. Tighten it to 105 Nm torque.

44 Tighten the subframe reinforcement bracket fasteners. Use a drive socket #13. Use a torque wrench. Tighten it to 35 Nm torque.

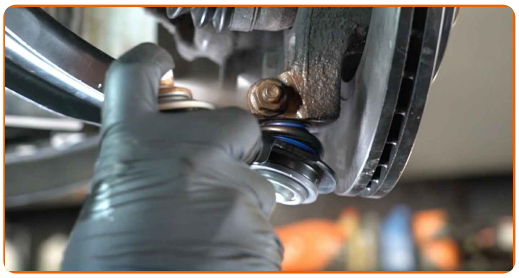


45 Remove the support from under the subframe.

Replacement: front lower arm – Renault Clio 3. Professionals recommend:

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

46 Treat all joints of the arm. Use copper grease.



47 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

48 Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

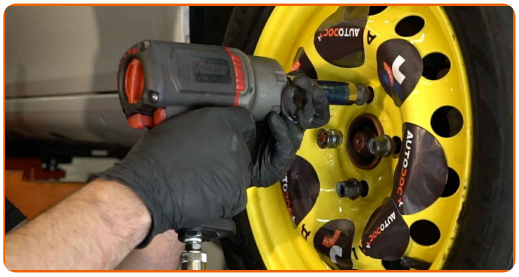
- After applying the spray, wait a few minutes.

49 Install the wheel.

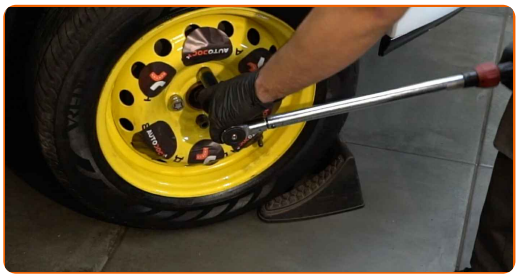
AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Renault Clio 3

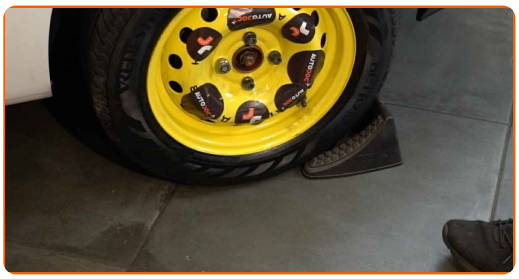
50 Screw in the wheel bolts. Use wheel impact socket #17.



51 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 105 nm torque.



52 Remove the jacks and chocks.



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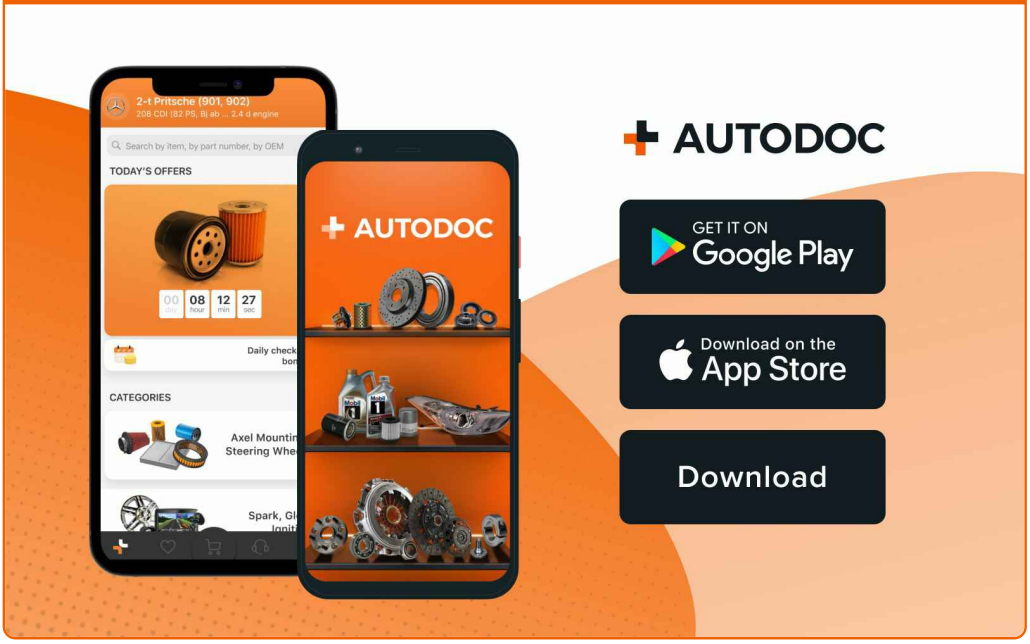

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